INDEX

Ahmadi, A. R. & Widnall, S. E. Unsteady lifting-line theory as a singular perturbation problem, 59–81

Ahrens, M. *See* Yoo, Ahrens & Joseph

Anderson J. L. *See* Keh & Anderson

Budwig, R., Tavoularis, S. & Corrsin, S. Temperature fluctuations and heat flux in grid-generated isotropic turbulence with streamwise and transverse mean-temperature gradients, 441–460.

Caflisch, R. E., Miksis, M. J., Papanicolaou, G. C. & Ting, L. Effective equations for wave propagation in bubbly liquids, 259–273.

Cancelli, C., D'Angelo, S., Masili, M. & Malvano, R. Experimental results in a physical model of the cochlea, 361–388

Chew, J. W. Computation of convective laminar flow in rotating cavities, 339–360

Clark, N. A. *See* Hurd, Clark, Mockler & O'Sullivan

Cliffe, K. A. & Mullin, T. A numerical and experimental study of anomalous modes in the Taylor experiment, 243–258

Cockrell, D. J. *See* Nigim & Cockrell

Coene, R. Notes on the efficiency of propulsion of bodies in waves, 103–122

Corrsin, S. *See* Budwig, Tavoularis & Corrsin

D'Angelo, S. *See* Cancelli, D'Angelo, Masili & Malvano

Eriksson, L.-E. *See* Rizzi & Eriksson

Herring, J. R. & McWilliams, J. C. Comparison of direct numerical simulation of two-dimensional turbulence with two-point closure: the effects of intermittency, 229–242.

Hurd, A. J., Clark, N. A., Mockler, R. C. & O'Sullivan, W. J. Friction factors for a lattice of Brownian particles, 401–416.

Jackson, J. A. *See* Tam, Jackson & Seiner

Joseph, D. D., Renardy, Y., Renardy, M. & Nguyen, K. Stability of rigid motions and rollers in bicomponent flows of immiscible liquids, 151–165.

Joseph, D. D. *See* Yoo, Ahrens & Joseph

Keh, H. J. & Anderson, J. L. Boundary effects on electrophoretic motion of colloidal spheres, 417–439.

Kerr, R. M. Higher-order derivative correlations and the alignment of small-scale structures in isotropic numerical turbulence, 31–58

Kirby, J. T. *See* Liu, Yoon & Kirby

Kit, E. *See* Shemer, Wygnanski & Kit

Knickerbocker, C. J. & Newell, A. C. Reflections from solitary waves in channels of decreasing depth, 1–16

Liu, P. L.-F., Yoon, S. B. & Kirby, J. T. Nonlinear refraction–diffraction of waves in shallow water, 185–201

McWilliams, J. C. *See* Herring & McWilliams

Malvano, R. *See* Cancelli, D'Angelo, Masili & Malvano

Masili, M. *See* Cancelli, D'Angelo, Masili & Malvano

INDEX

Ahmadi, A. R. & Widnall, S. E. Unsteady lifting-line theory as a singular perturbation problem, 59–81

Ahrens, M. *See* Yoo, Ahrens & Joseph

Anderson J. L. *See* Keh & Anderson

Budwig, R., Tavoularis, S. & Corrsin, S. Temperature fluctuations and heat flux in grid-generated isotropic turbulence with streamwise and transverse mean-temperature gradients, 441–460.

Caflisch, R. E., Miksis, M. J., Papanicolaou, G. C. & Ting, L. Effective equations for wave propagation in bubbly liquids, 259–273.

Cancelli, C., D'Angelo, S., Masili, M. & Malvano, R. Experimental results in a physical model of the cochlea, 361–388

Chew, J. W. Computation of convective laminar flow in rotating cavities, 339–360

Clark, N. A. *See* Hurd, Clark, Mockler & O'Sullivan

Cliffe, K. A. & Mullin, T. A numerical and experimental study of anomalous modes in the Taylor experiment, 243–258

Cockrell, D. J. *See* Nigim & Cockrell

Coene, R. Notes on the efficiency of propulsion of bodies in waves, 103–122

Corrsin, S. *See* Budwig, Tavoularis & Corrsin

D'Angelo, S. *See* Cancelli, D'Angelo, Masili & Malvano

Eriksson, L.-E. *See* Rizzi & Eriksson

Herring, J. R. & McWilliams, J. C. Comparison of direct numerical simulation of two-dimensional turbulence with two-point closure: the effects of intermittency, 229–242.

Hurd, A. J., Clark, N. A., Mockler, R. C. & O'Sullivan, W. J. Friction factors for a lattice of Brownian particles, 401–416.

Jackson, J. A. *See* Tam, Jackson & Seiner

Joseph, D. D., Renardy, Y., Renardy, M. & Nguyen, K. Stability of rigid motions and rollers in bicomponent flows of immiscible liquids, 151–165.

Joseph, D. D. *See* Yoo, Ahrens & Joseph

Keh, H. J. & Anderson, J. L. Boundary effects on electrophoretic motion of colloidal spheres, 417–439.

Kerr, R. M. Higher-order derivative correlations and the alignment of small-scale structures in isotropic numerical turbulence, 31–58

Kirby, J. T. *See* Liu, Yoon & Kirby

Kit, E. *See* Shemer, Wygnanski & Kit

Knickerbocker, C. J. & Newell, A. C. Reflections from solitary waves in channels of decreasing depth, 1–16

Liu, P. L.-F., Yoon, S. B. & Kirby, J. T. Nonlinear refraction–diffraction of waves in shallow water, 185–201

McWilliams, J. C. *See* Herring & McWilliams

Malvano, R. *See* Cancelli, D'Angelo, Masili & Malvano

Masili, M. *See* Cancelli, D'Angelo, Masili & Malvano

Meseguer, J. & Sanz, A. Numerical and experimental study of the dynamics of axisymmetric slender liquid bridges, 83–101

Miksis, M. J. *See* Caflisch, Miksis, Papanicolaou & Ting

Mockler, R. C. *See* Hurd, Clark, Mockler & O'Sullivan

Mullin, T. *See* Cliffe & Mullin

Newell, A. C. *See* Knickerbocker & Newell

Nguyen, K. *See* Joseph, Renardy, Renardy & Nguyen

Nigim, H. H. & Cockrell, D. J. Effects caused by small discrete two-dimensional roughness elements immersed in turbulent boundary layers, 17–30

O'Sullivan, W. J. *See* Hurd, Clark, Mockler & O'Sullivan

Papanicolaou, G. C. *See* Caflisch, Miksis, Papanicolaou & Ting

Renardy, M. *See* Joseph, Renardy, Renardy & Nguyen

Renardy, Y. *See* Joseph, Renardy, Renardy & Nguyen

Rizzi, A. & Eriksson, L.-E. Computation of inviscid incompressible flow with rotation, 275–312

Sakai, H. *See* Tsugé & Sakai

Salmon, R. New equations for nearly geostrophic flow, 461–477

Sanz, A. *See* Meseguer & Sanz

Seiner, J. M. *See* Tam, Jackson & Seiner

Shemer, L., Wygnanski, I. & Kit, E. Pulsating flow in a pipe, 313–337

Smith, R. When and where to put a discharge in an oscillatory flow, 479–500

Subramanian, R. S. The Stokes force on a droplet in an unbounded fluid medium due to capillary effects, 389–400

Tam, C. K. W., Jackson, J. A. & Seiner, J. M. A multiple-scales model of the shock-cell structure of imperfectly expanded supersonic jets, 123–149

Tavoularis, S. *See* Budwig, Tavoularis & Corrsin

Ting, L. *See* Caflisch, Miksis, Papanicolaou & Ting

Tsugé, S. & Sakai, H. Uniformly valid solution of the Orr–Sommerfeld equation by a modified Heisenberg method, 167–183

Weisenborn, A. J. Drag on a sphere moving slowly in a rotating viscous fluid, 215–227

Widnall, S. E. *See* Ahmadi & Widnall

Wygnanski, I. *See* Shemer, Wygnanski & Kit

Yoo, J. Y., Ahrens, M. & Joseph, D. D. Hyperbolicity and change of type in skin flow, 203–214

Yoon, S. B. *See* Liu, Yoon & Kirby